

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query                                                                                                                                                         | DBs                    | Default Operator | Plurals | Time Stamp       |
|-------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------|---------|------------------|
| L1    | 191  | (router and oxc) and "398"/.ccls.                                                                                                                                    | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:29 |
| L2    | 5    | high prior\$5 and low prior\$4 and l1                                                                                                                                | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:30 |
| L3    | 91   | l1 and priorit\$5                                                                                                                                                    | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:30 |
| L4    | 0    | l1 and priorit\$5 and (working port)                                                                                                                                 | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:31 |
| L5    | 31   | l1 and priorit\$5 and (working and protection)                                                                                                                       | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:31 |
| L6    | 29   | ("20010003833"   "20020093954"   "5495471"   "5999517"   "6011780"   "6289096"   "6430150"   "6496476"   "6725401"   "6728205"   "6947377").PN. OR ("7188280").URPN. | US-PGPUB; USPAT; USOCR | OR               | ON      | 2010/11/05 12:36 |
| L7    | 1    | high prior\$5 and low prior\$4 and "20040057724"                                                                                                                     | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:46 |
| L8    | 25   | high prior\$5 and low prior\$4 and router\$s and oxc                                                                                                                 | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:46 |
| L9    | 2    | high prior\$5 and low prior\$4 and router\$s and oxc and ("20020176369"   "20030067880"   "20040131067"   "6314105"   "6507648"   "7289437").PN.                     | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:48 |
| L10   | 3    | high prior\$5 and low prior\$4 and router\$s and oxc and ("20020176369"   "20030067880"   "20040131067"   "6314105"   "6507648"   "7289437")                         | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:54 |
| L11   | 6    | ("20020176369"   "20030067880"   "20040131067"   "6314105"   "6507648"   "7289437").PN.                                                                              | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 12:54 |
| L16   | 4    | (router\$3 and oxc) with ((working or servic\$4) and (spare or protection))                                                                                          | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 13:02 |
| L17   | 13   | (Shah-Jasvantra\$).in.                                                                                                                                               | US-PGPUB; USPAT        | NEAR             | ON      | 2010/11/05 13:04 |

|     |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |      |    |                  |
|-----|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|----|------------------|
| L18 | 2   | (Shah-Jasvantrai\$.in. and (oxc or cross\$connect\$4) and router\$3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 13:04 |
| L19 | 42  | (router with oxc) and "398"/. ccls.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 13:07 |
| L20 | 16  | (router with oxc) and "398"/. ccls. and priorit\$5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 13:08 |
| L26 | 94  | router with port (fail\$4 or fault \$5)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 14:16 |
| L27 | 5   | router with port (fail\$4 or fault \$5) and oxc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 14:16 |
| L28 | 3   | router with port (fail\$4 or fault \$5) and oxc and prior\$5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 14:21 |
| L32 | 5   | (fail\$4 or fault\$4) router with oxc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 15:27 |
| L33 | 205 | (Atkinson-Gary\$ Chigan-Chunxiao\$ Nagarajan-Ramesh \$).in.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | US-PGPUB; USPAT | OR   | ON | 2010/11/05 15:43 |
| L34 | 5   | (Atkinson-Gary\$ Chigan-Chunxiao\$ Nagarajan-Ramesh \$).in. and oxc and router\$3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | US-PGPUB; USPAT | OR   | ON | 2010/11/05 15:43 |
| L35 | 32  | (US-20030067880-\$ or US-20020024961-\$ or US-20020024930-\$ or US-20020176131-\$ or US-20040213149-\$ or US-20070121507-\$ or US-20030009599-\$ or US-20020031142-\$ or US-20030163555-\$ or US-20090162067-\$ or US-20030206690-\$ or US-20050169633-\$ or US-20010030786-\$ or US-20020101633-\$ or US-20040018016-\$ or US-20020163682-\$ or US-20020109879-\$ or US-20020089712-\$ or US-20020063916-\$).did. or (US-6507648-\$ or US-6952529-\$ or US-6798747-\$ or US-6775477-\$ or US-5734811-\$ or US-6795394-\$ or US-7082137-\$ or US-7697541-\$ or US-7224895-\$ or US-7688732-\$ or US-5748815-\$ or US-7188280-\$ or US-6763192-\$).did. | US-PGPUB; USPAT | OR   | ON | 2010/11/05 16:09 |
| L36 | 13  | l35 and oxc and router\$3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | US-PGPUB; USPAT | OR   | ON | 2010/11/05 16:09 |

|     |        |                                                                                                                                                                              |                 |      |    |                  |
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| L37 | 166443 | oxc and (back\$up or spar\$4 or protection) router\$3                                                                                                                        | US-PGPUB; USPAT | OR   | ON | 2010/11/05 16:20 |
| L38 | 10     | oxc and (back\$up or spar\$4 or protection) router\$3                                                                                                                        | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 16:20 |
| L39 | 2      | oxc and (back\$up or spar\$4 or protection) router\$3 and "100.sub.B2"                                                                                                       | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 16:23 |
| L40 | 7      | ("20020018269"   "5963540"   "6075629"   "6148410"   "6148411"   "6304346"   "6724757").PN.                                                                                  | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 16:26 |
| L41 | 2      | oxc and (back\$up or spar\$4 or protection) router\$3 and "oxc.sub.b"                                                                                                        | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 16:42 |
| L42 | 10     | oxc and (back\$up or spar\$4 or protection) router\$3                                                                                                                        | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 17:00 |
| L43 | 18     | oxc and (back\$up or spar\$4 or protection or Redundant) router\$3                                                                                                           | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 17:01 |
| L44 | 1      | (oxc and router\$3) with (back \$up or spar\$4 or protection or Redundant) port\$3                                                                                           | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 17:07 |
| L45 | 13     | (oxc and router\$3) with (back \$up or spar\$4 or protection or Redundant)                                                                                                   | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 17:08 |
| L46 | 12     | "7,274,869"                                                                                                                                                                  | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 17:16 |
| L52 | 9      | "398"/.ccls. and by\$pass\$4 router                                                                                                                                          | US-PGPUB; USPAT | NEAR | ON | 2010/11/05 17:39 |
| S78 | 13     | (high\$priority or high priority) and (low\$priority or low priority) and oxc and router and protection and working                                                          | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 16:02 |
| S79 | 13     | (high\$priority or high priority) same (low\$priority or low priority) and oxc and router and protection and working                                                         | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 16:02 |
| S80 | 12     | (high\$priority or high priority) same (low\$priority or low priority) and oxc same router and protection and working                                                        | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 16:02 |
| S81 | 12     | (high\$priority or high priority) same (low\$priority or low priority) and oxc same router and protection and working and (router\$2) and (oxc or optical cross\$connect\$4) | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 16:13 |

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| S88  | 11  | ((high\$priority or high priority) and (low\$priority or low priority)) and (oxc or optical cross\$connect\$4) with router                                                   | US-PGPUB; USPAT        | NEAR | ON | 2010/10/28 17:44 |
| S89  | 6   | ("20020176369"   "20030067880"   "20040131067"   "6314105"   "6507648"   "7289437").PN. OR ("7688732").URPN.                                                                 | US-PGPUB; USPAT; USOCR | OR   | ON | 2010/10/28 17:47 |
| S90  | 37  | router with (high\$priority and low\$priority)                                                                                                                               | US-PGPUB; USPAT; USOCR | NEAR | ON | 2010/10/28 18:00 |
| S91  | 2   | oxc with (high\$priority and low \$priority)                                                                                                                                 | US-PGPUB; USPAT; USOCR | NEAR | ON | 2010/10/28 18:00 |
| S92  | 23  | router and oxc and (high \$priority and low\$priority)                                                                                                                       | US-PGPUB; USPAT; USOCR | NEAR | ON | 2010/10/28 18:02 |
| S93  | 55  | 398/49,50,48.ccls. and oxc and router                                                                                                                                        | US-PGPUB; USPAT        | AND  | ON | 2010/10/28 18:26 |
| S94  | 0   | 398/49,50,48.ccls. and oxc and router and (high\$prior \$5or low\$prior\$5 or high-prior \$5 or low-prior\$5)                                                                | US-PGPUB; USPAT        | AND  | ON | 2010/10/28 18:27 |
| S95  | 37  | 398/49,50,48.ccls. and oxc and router and (high\$prior \$5or low\$prior\$5 or high-prior \$5 or low-prior\$5 or high prior \$5 or low prior\$5)                              | US-PGPUB; USPAT        | AND  | ON | 2010/10/28 18:27 |
| S96  | 3   | 398/49,50,48.ccls. and oxc and router and (high\$prior \$5or low\$prior\$5 or high-prior \$5 or low-prior\$5 or high prior \$5 or low prior\$5)                              | US-PGPUB; USPAT        | NEAR | ON | 2010/10/28 18:28 |
| S97  | 4   | 398/49,50,48.ccls. and (optical cross connect\$4 or oxc) and router and (high \$prior\$5or low\$prior\$5 or high-prior\$5 or low-prior\$5 or high prior\$5 or low prior\$5)  | US-PGPUB; USPAT        | NEAR | ON | 2010/10/28 18:28 |
| S98  | 5   | 398/49,50,48.ccls. and (optical cross connect\$4 or oxc) and router and (high \$prior\$5 or low\$prior\$5 or high-prior\$5 or low-prior\$5 or high prior\$5 or low prior\$5) | US-PGPUB; USPAT        | NEAR | ON | 2010/10/28 18:28 |
| S99  | 2   | 370/444,445,395.42.ccls. and (optical cross connect\$4 or oxc) and router                                                                                                    | US-PGPUB; USPAT        | NEAR | ON | 2010/10/28 18:31 |
| S100 | 482 | (optical cross connect\$4 or oxc) with router                                                                                                                                | US-PGPUB; USPAT        | NEAR | ON | 2010/10/28 18:34 |

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| S101 | 482  | (optical cross connect\$4 or oxc) with router\$2                                                                                                                                                   | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:34 |
| S102 | 30   | S101 and (high\$prior\$5 or low \$prior\$5 or high-prior\$5 or low-prior\$5 or high prior\$5 or low prior\$5)                                                                                      | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:35 |
| S103 | 3    | ("20020176369"   "20030067880"   "20040131067"   "6314105"   "6507648"   "7289437").PN. and (high\$prior\$5 or low\$prior \$5 or high-prior\$5 or low-prior \$5 or high prior\$5 or low prior \$5) | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:40 |
| S104 | 5    | S101 same (high\$prior\$5 or low\$prior\$5 or high-prior\$5 or low-prior\$5 or high prior\$5 or low prior\$5)                                                                                      | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:44 |
| S105 | 6626 | (source\$less or source free)                                                                                                                                                                      | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:46 |
| S106 | 2    | (source\$less or source free) (client or onu or ont)                                                                                                                                               | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:46 |
| S107 | 228  | (source\$less or source free) and (onu or ont or client)                                                                                                                                           | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:47 |
| S108 | 378  | (oadm or add\$drop\$4 or add \$4 drop\$4) and (onu or ont)                                                                                                                                         | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:48 |
| S109 | 65   | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature or wavelength drift\$2) and (onu or ont)                                                                                               | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:48 |
| S110 | 0    | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature or wavelength drift\$2) and (onu or ont) and wavelength (adjust\$4 or chang\$4 or alter \$4)                                           | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:49 |
| S111 | 9    | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature or wavelength drift\$2) with wavelength (adjust\$4 or chang \$4 or alter\$4)                                                           | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:49 |
| S112 | 52   | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature or wavelength drift\$2) and (temperature or wavelength drift\$2)with wavelength (adjust\$4 or chang\$4 or alter \$4)                   | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:50 |

|      |     |                                                                                                                                                                                   |                 |      |    |                  |
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| S113 | 52  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature or wavelength drift\$2) and (temperature or wavelength drift\$2) with wavelength (adjust\$4 or chang\$4 or alter \$4) | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:50 |
| S114 | 1   | (oadm or add\$drop\$4 or add \$4 drop\$4) filter\$4 with temperature-dependent                                                                                                    | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:52 |
| S115 | 3   | (oadm or add\$drop\$4 or add \$4 drop\$4) filter\$4 with temperature depend\$5                                                                                                    | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:52 |
| S116 | 11  | (oadm or add\$drop\$4 or add \$4 drop\$4) with temperature depend\$5                                                                                                              | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 18:52 |
| S117 | 35  | (oadm or add\$drop\$4 or add \$4 drop\$4) ring network                                                                                                                            | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:01 |
| S118 | 17  | (oadm or add\$drop\$4 or add \$4 drop\$4) ring network and (temperature or wavelength drift)                                                                                      | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:01 |
| S120 | 390 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature or wavelength drift) and wavelength (adjust\$5 or chang \$4)                                                          | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:09 |
| S121 | 21  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temperature chang\$5 or wavelength drift) and wavelength (adjust\$5 or chang\$4)                                                  | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:09 |
| S122 | 2   | (oadm or add\$drop\$4 or add \$4 drop\$4) with (wavelength drift) and wavelength (adjust \$5 or chang\$4)                                                                         | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:26 |
| S123 | 10  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (wavelength drift)                                                                                                                 | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:26 |
| S124 | 58  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (wavelength drift or temperature chang\$5)                                                                                         | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:29 |
| S125 | 11  | (oadm or add\$drop\$4 or add \$4 drop\$4) near2 (wavelength drift or temperature chang\$5)                                                                                        | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:29 |
| S126 | 12  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (wavelength drift or temperature chang\$5) and adjust\$5 wavelength                                                                | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:31 |

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| S127 | 5  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (wavelength drift or temperature chang\$5) and temperature with adjust \$5 wavelength                    | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:34 |
| S128 | 5  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature chang\$5) and temperature with adjust\$5 wavelength                             | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:36 |
| S129 | 97 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature chang\$5)                                                                       | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:37 |
| S130 | 17 | (oadm or add\$drop\$4 or add \$4 drop\$4) near2 (drift\$4 or temperature chang\$5)                                                                      | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:37 |
| S131 | 34 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature chang\$5) with wavelength                                                       | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:40 |
| S132 | 7  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (temeperature or thermal) with wavelength                                                                | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:48 |
| S133 | 97 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature or thermal) with wavelength                                                     | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:49 |
| S134 | 1  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature or thermal) with wavelength adjust\$5                                           | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:50 |
| S135 | 11 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature or thermal) with wavelength (adjust\$5 or chang \$5 or var\$7)                  | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:50 |
| S136 | 97 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature or thermal) with wavelength                                                     | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:52 |
| S137 | 57 | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature or thermal) with wavelength and (match\$5 or select\$5 or adjust\$5) wavelength | US-PGPUB; USPAT | NEAR | ON | 2010/10/28 19:53 |

|      |     |                                                                                                                                                                                    |                    |      |    |                     |
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| S138 | 40  | (oadm or add\$drop\$4 or add \$4 drop\$4) with (drift\$4 or temperature or thermal) and (match\$5 or select\$5 or adjust \$5) wavelength with (drift\$4 or temperature or thermal) | US-PGPUB;<br>USPAT | NEAR | ON | 2010/10/28<br>19:53 |
| S139 | 2   | ("2005/0169633").URPN.                                                                                                                                                             | USPAT              | OR   | ON | 2010/10/28<br>19:57 |
| S149 | 7   | ("20020018269"   "5963540"   "6075629"   "6148410"   "6148411"   "6304346"   "6724757").PN.                                                                                        | US-PGPUB;<br>USPAT | WITH | ON | 2010/11/03<br>13:09 |
| S154 | 87  | lte router                                                                                                                                                                         | US-PGPUB;<br>USPAT | WITH | ON | 2010/11/03<br>13:16 |
| S156 | 191 | oxc and router and "398"/. ccls.                                                                                                                                                   | US-PGPUB;<br>USPAT | WITH | ON | 2010/11/03<br>13:26 |
| S159 | 10  | (oxc and router\$4) and (high and low) prior\$6 and "398"/. ccls.                                                                                                                  | US-PGPUB;<br>USPAT | WITH | ON | 2010/11/03<br>13:28 |

### EAST Search History (Interference)

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**11/ 5/ 2010 6:51:39 PM**

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